

# Bluevua®

Reverse Osmosis Drinking Water System



1-888-637-0009 (Mon-Fri 9:00-17:00 PST)



support@bluevua.com



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## Thank you for choosing Bluevua!

From a young age, we are taught that water is good for us. But is all water good for us? The harsh truth: no. Tap water often contains hundreds of toxic chemicals that can cause numerous health problems.

At Bluevua, we believe you deserve the best things in life, including easy access to clean water. Founded in 2021, we aim to make hydration a simple, safe process. That is why we turned the reverse osmosis water system into a countertop variation - no plumbing or installation required. This innovative product yields purified water, a user-friendly experience, and convenient features that remind you when it is time to down a glass of water, along with fun, fruit-infused capabilities to experiment with.

Now, you and your family can hydrate the right way every single day.

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## PREPARATION




### 1.1 Precautions






#### Note:

All contents in this chapter are related to safety, users must comply with it.

All contents in this chapter are only for the correct use of this product.

 <b>Prohibition</b>		
 Avoid installing under direct sunlight and outdoor places	 Do not expose to an environment below 0 °C	 Do not store flammable items near the machine

 <b>Warning</b>	
 When the machine breaks down, please cut off the water and power supply quickly	 Keep out of reach of children Please do not let children operate the machine

 <b>Attention</b>	
 Do not disassemble the machine by yourself as to prevent water leakage and damage to the machine	 Please make sure the temperature of water source is 5-38 °C
 If the machine will be inactive for more than 24 hours, please pour out the left water and turn off its power supply	 In order to run the machine smoothly, please use accessories and filter cartridges from Bluevua

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## PREPARATION

### 1.2 Before Using

Open the packaging and take out the entire machine and all the accessories. Confirm them per the list to ensure that nothing is missing or damaged during the shipping. If any part is broken or cracked, please contact Bluevua Support Team instead.

**Tel:** 1-888-637-0009 Mon-Fri 9:00 AM-5:00 PM PST

**Email:** support@bluevua.com

If you prefer video instructions, just visit our website [www.bluevua.com](http://www.bluevua.com), or scan the code to watch a step by step tutorial video on how to set up your ROPOT Lite system!



### 1.3 Required Tools

- Towel
- Happy mood

### 1.4 Product Specifications

Product Model	RO100ROPOT-Lite-Bluevua
Product Size (L*W*H)	L248*W340*H357mm
Input Water Pressure	0~30 PSI / 0~0.2 MPa
Input Water Temperature	41~100°F / 5~38°C
Input Water Requirement	Tap Water
Pure Water Rate	0.26L Per Minute / 100 Gallon Per Day
Power Specifications	Input 100~240V AC
	Output 24V DC; 2.0A

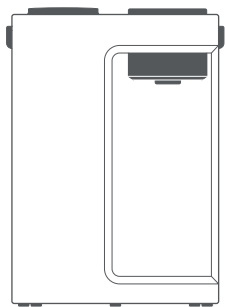
#### NOTE

The filtration rate is affected by water pressure and water temperature. The pure water rate on the table is measured under 30PSI and 25°C. When input water pressure and temperature fluctuate, the pure water rate also fluctuates.

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## PREPARATION

### 1.5 Product & Accessories List



RO Water System With  
6 in 1 Filter Assembled



High Borosilicate  
Glass Carafe × 1

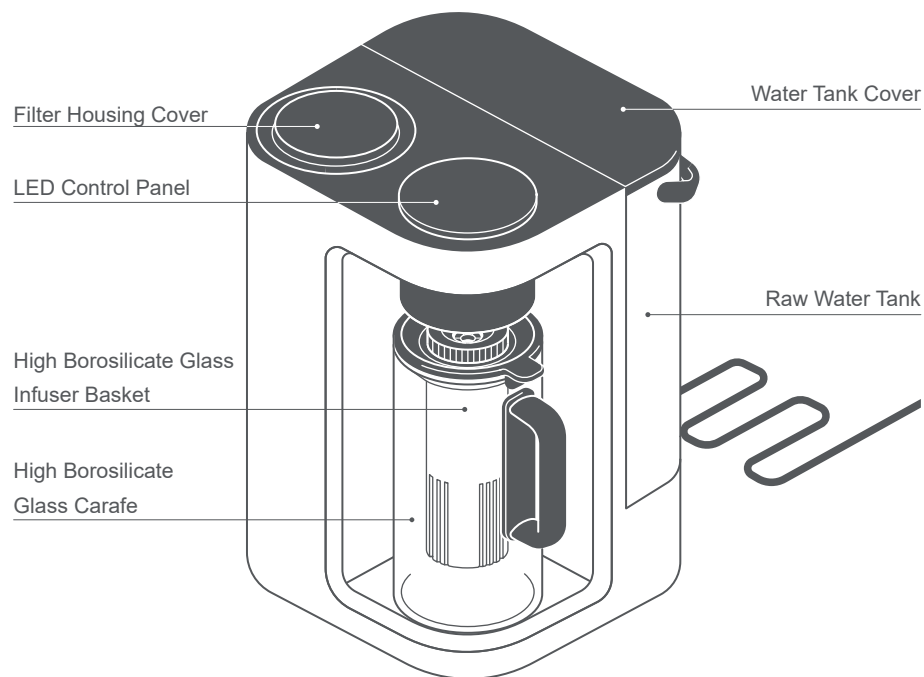


High Borosilicate Glass  
Infuser Basket × 1



User Guide  
× 1

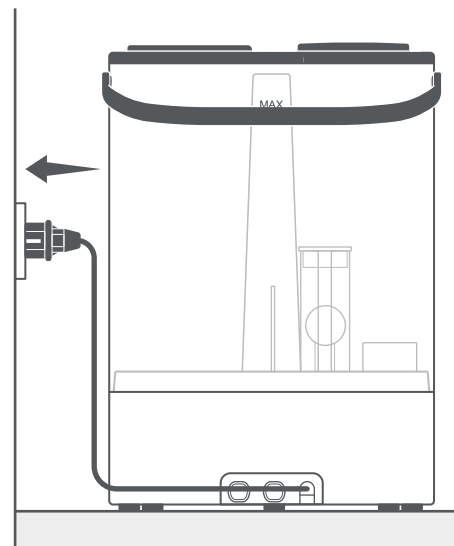
### 1.6 Product Overview



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## INSTALLATION

### 2.1 Setting up ROPOT Lite



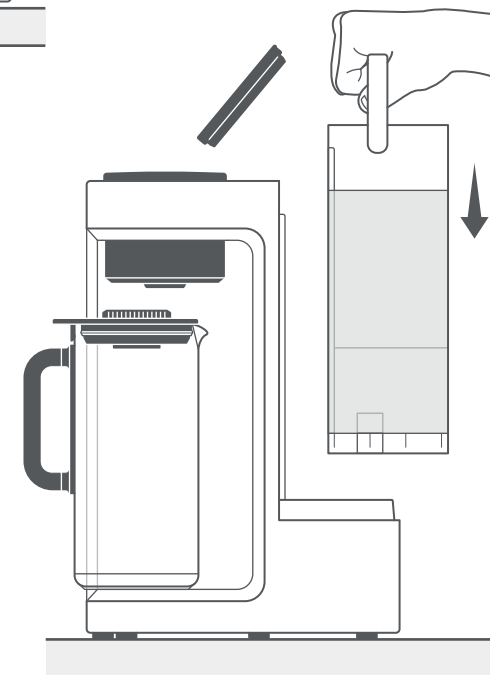
1. Wash the water tank and the glass carafe for the first time use.
2. Place the machine on a flat and stable surface, and make sure there are available power outlets nearby.
3. Plug the power cord into an outlet.

4. Fill the water tank with tap water up to the **MAX** fill line.

5. Make sure both the water tank and glass carafe are stably placed.

#### NOTE

Do not put the infuser basket in as the new filter has not been flushed yet.



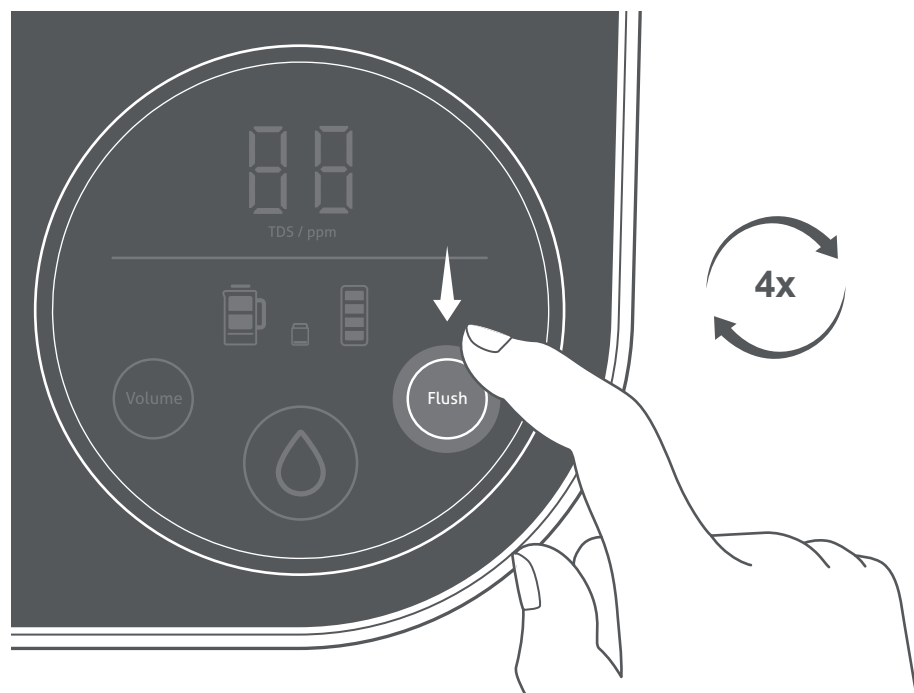
④

## INSTALLATION

6. Touch the **Flush** button to automatically flush water through the system.
7. Pour out the water left in the water tank and the carafe after completing a cycle.
8. Repeat steps 4 through 7 **four times** to flush out the protective liquid in the filter. Be aware that the water is **NOT** drinkable during the flushing process.

### NOTE

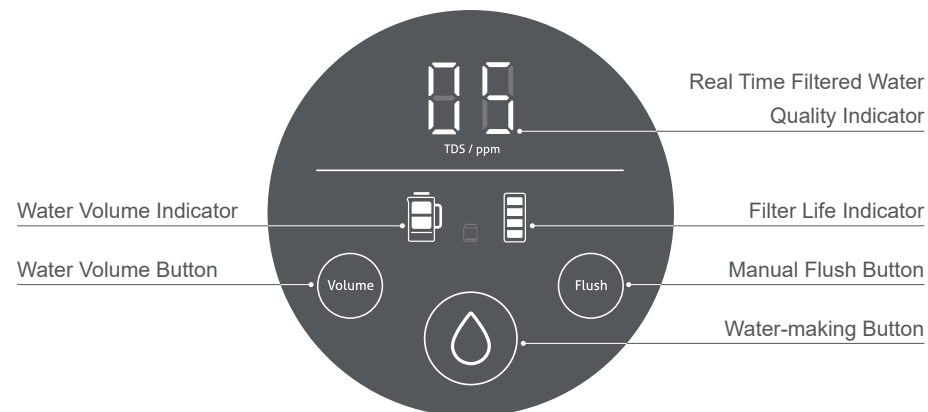
- Only the **Flush** button lights up during the flushing process. Other buttons and indicators on the control panel will be unlocked after completing **4** cycles of flushing.
- During the first **1 - 2 cycles** the raw water in the tank will automatically fill the filters, and there may be no clean water produced during the first two cycles.
- For the first **3 - 5 cycles**, it is normal for the pure water made to turn black or grey due to the activated carbon particles as the filters are flushed clean.



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## OPERATION





### 3.1 Control Panel



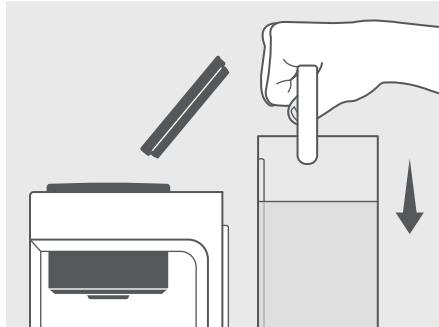
Indicator	Operating Status	Display
	Total dissolved solids (TDS) measure the combined content of all inorganic and organic substances contained in water. The real time water quality monitoring shows the TDS level of filtered water. Note that during the water-making process, the TDS level usually fluctuates at the start before gradually becoming stable.	The real time water quality indicators are on during the water-making. It continuously displays the water quality based on the TDS level. The indicator remains off during the standby mode.
	Touch the water-making button to start filtering water. Tap again to stop filtering.	The button flashes during water-filtering process, and remains on under standby mode.
	The default volume is 1.2L. Touch the water <b>Volume</b> button to switch between 2 different volumes: 0.65L(half) or 1.2L(full).	Both the indicator and the button are on during operation and off under standby mode.
	The water-changing indicator flashes red when the input water is lower than the minimum water level or the water tank does not correctly sit on the base.	The indicator flashes red until the water tank is refilled and placed back to the base.

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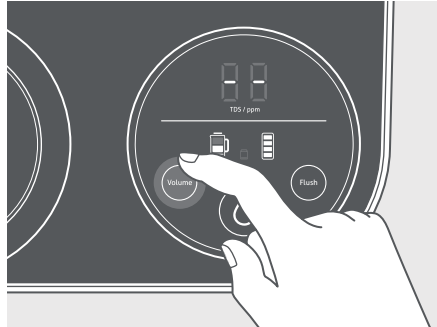
## OPERATION

Indicator	Operating Status	Display
	The filter life indicator reminds you when is the time to change the filter. When the filter expires, the indicators must be reset to restart the filter life reminder after the filter replacement.	When the filter expires, the indicator repeatedly flashes until the replacement and reset process are completed.
	Touch the <b>Flush</b> button to trigger the 30 seconds backflushing. Touch again the same button to stop the flushing.	The button flashes during water-filtering process, and remains off under standby mode.
	If ROPOT Lite continuously filters water for more than 8 minutes, the system will show <b>E1</b> and stop making water. Touch any button on the control panel can leave the <b>E1</b> error mode.	The <b>E1</b> error code remains on under <b>E1</b> error mode, and will disappear after leaving the mode.
	If the system does not detect the floating ball and the water level goes below the cylinder in the tank, the system will stop making water and show <b>E2</b> . Touch any button on the control panel can leave the <b>E2</b> error mode.	The <b>E2</b> error code remains on under <b>E2</b> error mode, and will disappear after leaving the mode.

### 3.2 Filtering Water

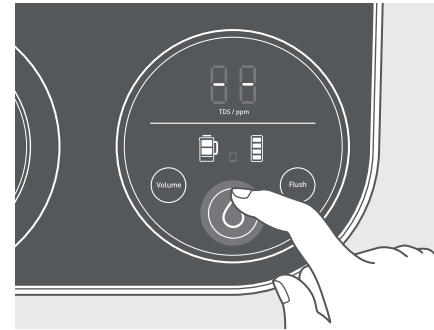


**1. Fill With Tap Water:** Fill the tap water to the **MAX** fill line of the water tank.

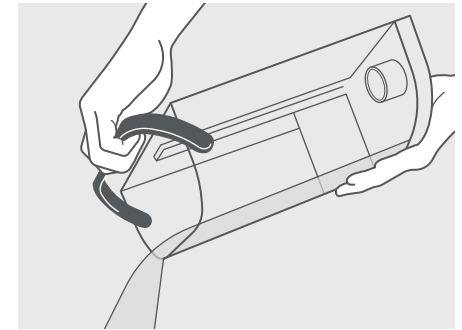


**2. Selecting Volume:** Touch the **Volume** button to select desired water volume of half(0.65L) or full(1.2L). The carafe icon will indicate the selected volume.

## OPERATION

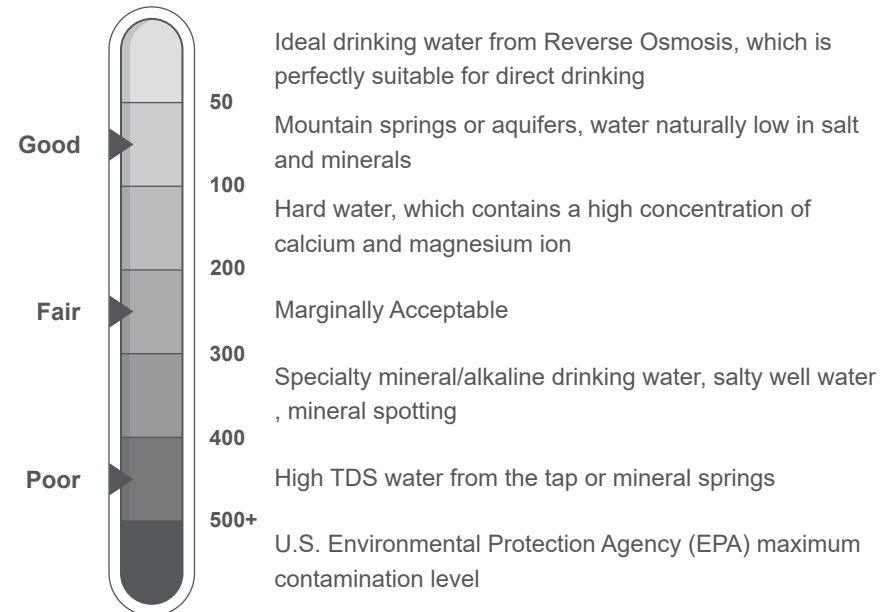


**3. Filtering Water:** Touch the water making button, the filtering process will start filtering. The raw water flows through the filter and produces pure water in to the carafe.



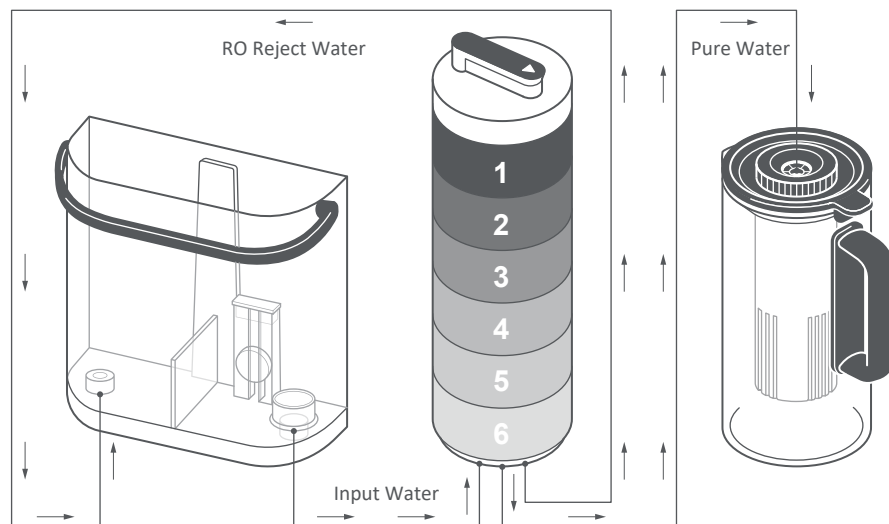
**4. Empty Waste Water:** To extend service life and maintenance intervals, please do not reuse the RO reject water for another round of filtering. Save it for watering plants or mopping!

### 3.3 TDS Level in Water



## OPERATION

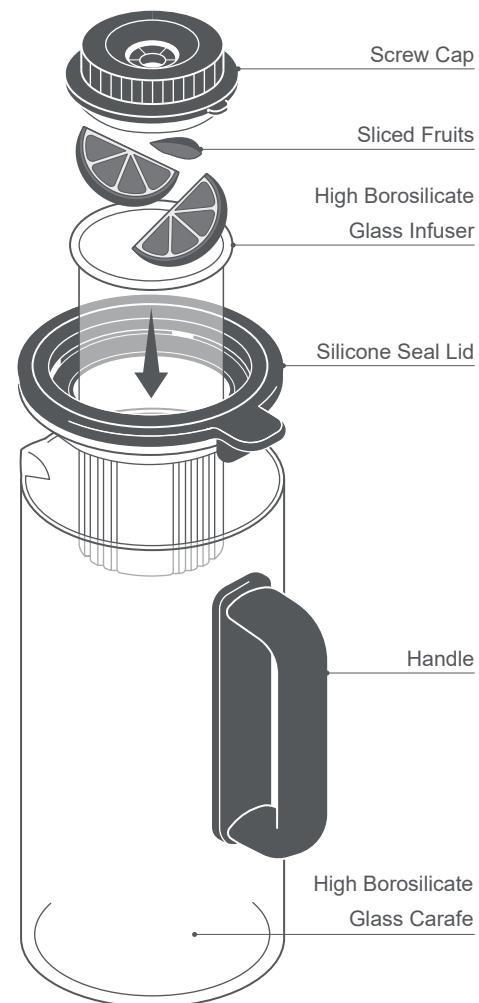
### 3.4 How ROPOT Lite Works



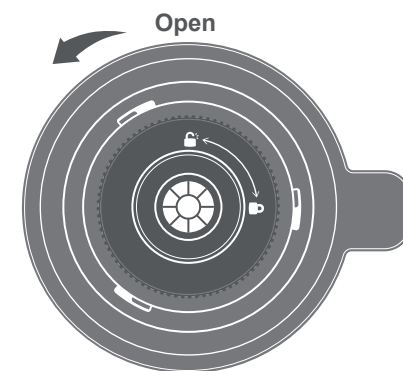
- 1 5 Micron Polypropylene Fabric:** 5 micron polypropylene (PP) fabric removes larger particles like silt, sand, rust and dirt.
- 2 Coconut Shell Activated Carbon:** Coconut Shell Activated Carbon (CTO) absorbs chlorine and chloramine.
- 3 Food Grade RO Antiscalant:** Reverse osmosis (RO) antiscalant eliminates mineral scale to prevent the scaling and fouling of the RO membrane.
- 4 1 Micron Polypropylene Fabric:** 1 micron polypropylene (PP) fabric removes smaller particles to further protect and extend lifetime of the RO membrane.
- 5 Reverse Osmosis Membrane:** RO membrane removes lead, arsenic, bacteria, virus, fluoride, pesticide and lots of other harmful contaminants.
- 6 Post Carbon Filter:** Post carbon filter improves the taste of water, giving you pure, great-tasting drinking water!

## OPERATION

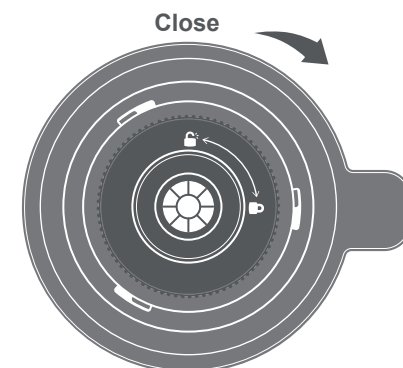
### 3.5 Making Fruit-infused Water



1. Rotate in counter-clockwise direction to remove the cap.



2. Rotate in clockwise direction to close the cap.



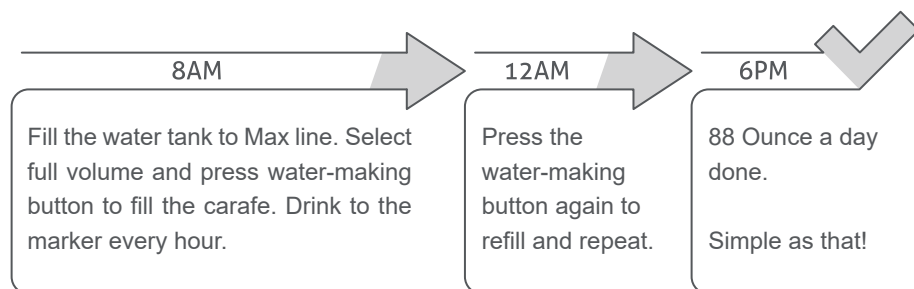
#### NOTE

Always carry the carafe by holding the handle. Otherwise the lid may get sepaerate from the carafe and cause the contents to spill out.

## OPERATION

### 3.6 Reminders to Hydrate

A quick glance at the intuitive timeline from **8 am to 6 pm** will remind you to drink your recommended water intake throughout the day. Go conquer your hydration goals!



**Well done! You are all set!**

Find your **FREE** Bluevua Infused water recipes to hydrate yourself with new delicious ways!



## MAINTENANCE

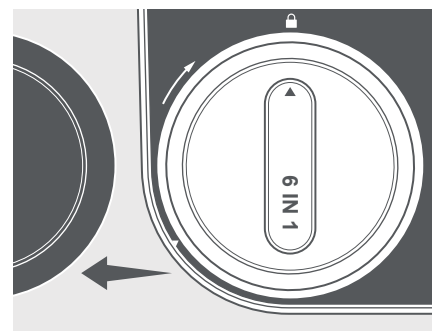
### 4.1 Filter Replacement Cycle

Replacement Filter	Replacement Cycle
<b>MAX</b> Six-In-One Filter	Every 12 months

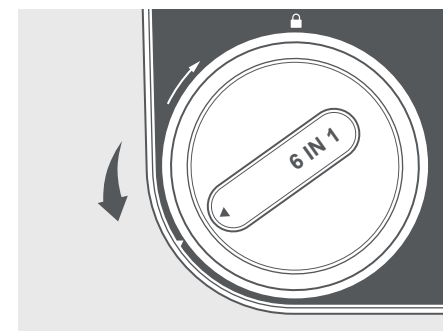
#### NOTE

1. Actual lifetime of the filters may differ depending on the input water quality, season and the real running time of product. The figures above are evaluated on a general basis, please replace the filters according to the filter life indicator.
2. If the filter expire, please replace the filter as soon as possible. Otherwise, the filtration efficiency will be greatly reduced and affect performance.

### 4.2 Filter Replacement Steps



**1. Remove the filter housing cover:**  
Unplug the unit and lift up the filter housing cover to remove it.



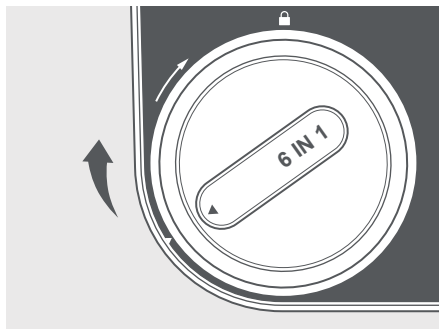
**2. Remove the expired filter:** Twist in counter-clockwise direction, then pull out the expired filter.

#### NOTE

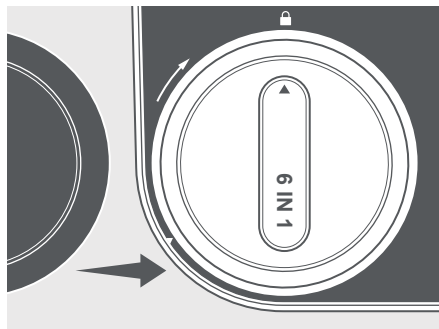
Do not remove the filter during flushing or water-making process to avoid water spillage.



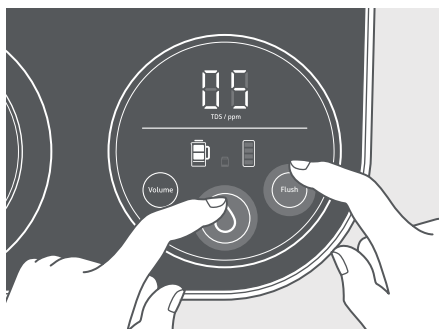
## MAINTENANCE



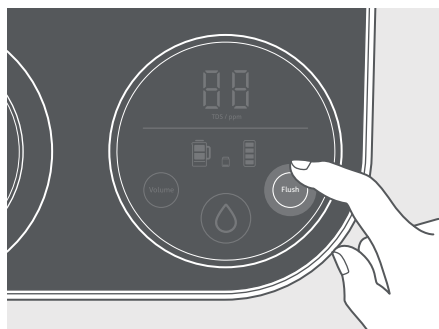
**3. Insert the new filter:** Push down and simultaneously twist in clockwise direction to insert the new filter.



**4. Put the filter housing cover back:** Place back the filter housing cover and plug in power supply.



**5. Enter filter reset mode:** Long press the Flush button and the water-making button simultaneously for 5 seconds to enter Filter Replacement Mode.



**6. Flush the filter:** Refer back to steps on page 4 and 5 to flush your new filter. The filter's replacement cycle will be reset after 4 times of flushing.

## MAINTENANCE

### 4.3 Automatic Backflushing

The system automatically enters backflushing mode under the circumstances below:

**1. When The Power Is On**

When the power is on, the system will automatically switch to backflushing mode and start backflushing for 30 seconds.

**2. Everytime Before a Filtration Cycle**

The system will do automatic backflushing for 30 seconds before a filtration cycle starts. Touch the **Flush** button can stop the backflushing.

**3. Everytime After a Filtration Cycle**

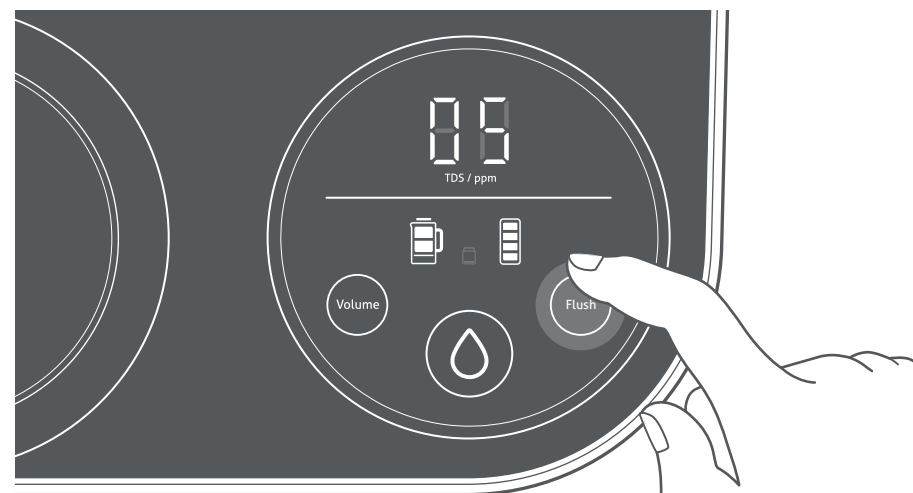
The system will do automatic backflushing for 30 seconds after a filtration cycle is finished. Touch the **Flush** button can stop the flushing.

**4. For No Usage Over 24 Hours**

The system will do automatic backflushing for 30 seconds if there is no filtering for more than 24 hours.

### 4.4 Manual Backflushing

Touch the **Flush** button to trigger the 30 seconds backflushing. Touch the same button again to stop flushing. Please ensure there is enough water in the tank for flushing.



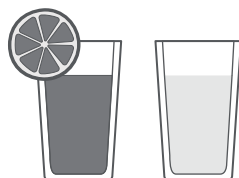
## MAINTENANCE

### 4.5 How to Descale Your ROPOT Lite

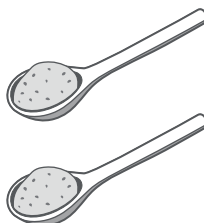
Limescale can clog up the machine and disrupt water flow. If you start experiencing slow water flow, it is time to take proper care of it. Use a commercial descaling solution or make one of these DIY solutions.



50/50 white  
vinegar and water



50/50 lemon juice  
and water



2 tablespoons of citric  
acid per quart of water

1. Mix up the descaling solution in the water tank, then place it back onto the base.
2. Select the 1.2L total volume and start a filtration cycle.
3. Turn off the system midway through the cycle, and let it sit and soak for **an hour**.
4. Pour out the descaling solution.

#### NOTE

Repeat steps 1 through 4 if your ROPOT Lite system has a heavy buildup or if you use lemon juice or vinegar.

5. Run **three** filtration cycles with tap water to rinse the system and remove the odor or taste of the descaling solution. If the sour taste remains, please repeat for a few more rounds until the water tastes clean.

## FAQ

### Q Why there are droplets on a new unit after opening the package? ▼

- A** All the Bluevua RO products have been through complete Quality Control (QC) inspection before being packaged. While each filter is independently examined by air pressure for its filtration reliability, the filtration system is also inspected with sterile water to ensure the most ideal performance. Droplets that remained may run out during the shipping. No worries, they are harmless.

### Q What is considered a typical TDS output from the ROPOT system? ▼

- A** ROPOT Lite features the reverse-osmosis technique, which typically ensures the reduction of **90-95%** of TDS. There is no typical TDS output from the ROPOT Lite system since the TDS output is highly subject to different water sources and qualities across different states or regions. Other factors like weather and temperature can also affect the TDS output. For instance, with raw water that has a TDS of **300**, the TDS of filtered water will have an OUT TDS of around **15-30**.

### Q Is it common to see a spike in output TDS after a period of no use? ▼

- A** **Yes**, this is commonly referred to as TDS creep - when an RO system sits idle and there is no active pressure being applied to the raw water side of the membrane, the appearance of salt can creep into the treated side of the membrane and lead to a higher TDS. If this happens, you can tap the Flush button to start the 30 seconds back-flushing and discard the water from the first cycle.

### Q What is the pH of Reverse Osmosis water? ▼

- A** With chemical reaction:  $H_2O + CO_2 = H_2CO_3$ . The more pure the water is, the more  $CO_2$  it can absorb, and the more acidic it will get. The filtered water from ROPOT can drop from a PH of 7 down to a PH of 6.2.

## FAQ

### Q Can I use the remaining water in the tank for the next filtration? ▼

**A NO**, the remaining water in the water tank after a filtration cycle is NOT unused or non-filtered water but the RO reject water that holds all the contaminants removed from the raw water. To control the concentration of the RO reject water, once the water level goes below the designed white cylinder in the tank, the filtering process will immediately stop.

From the principles of Reverse Osmosis, the RO system gets rid of the dissolved solids (such as dust, heavy metals, microbes, etc.) to produce pure drinking water. To ensure that the dissolved solids do not stay or creep back and contaminate the drinking water, the RO process naturally diverts poor-quality reject water to the drain. To put it short: An RO water purifier **NEEDS** to produce wastewater to flush the dissolved particles and serve pure, clean drinking water. And in the case of the ROPOT Lite unit, since it is a countertop system and is not connected to the drainpipe, the well-filtered water goes into the glass carafe while the RO reject water with contaminants goes to the water tank at the back.

The remaining water should be considered contaminated, and we highly recommend following the instruction of discarding those water each time instead of reusing them for the next cycle. Reusing the RO reject water will cause an accumulation of contaminants that damage the machine and filters.

### Q What should I do if I am going to leave the unit unused for a while? ▼

**A** The system will automatically do self-cleaning every 24 hours. However, if you are going to unplug the system for a long trip, keeping your filter inside the refrigerator and storing your unit in a cool and dry place keep the system safe from possible microbial growth. And please do not drink the first round of filtered water after you return.

## TROUBLESHOOTING

The system does not work after pressing the water-making button.

<b>Check</b>	Does the floating tablet in the water tank float up?
<b>Solution</b>	Take off the silicone sealing cap, then clean up the clogged floating tablet rail and floating tablet.
<b>Check</b>	Does input water level goes below the cylinder in the water tank?
<b>Solution</b>	Discard the remaining water left in the tank and refill it to the MAX line for the next cycle.
<b>Check</b>	Is the water tank stably placed on the water tank base?
<b>Solution</b>	Lift up the water tank, and place it back onto the water tank base.
<b>Check</b>	Has the filter replacement cycle passed?
<b>Solution</b>	Check the filter lifetime indicator, and then refer back to steps on page 12 and 13 to replace the filter if necessary.
<b>Check</b>	Have you finished the 4 cycles of flushing for your new filter?
<b>Solution</b>	Refer back to steps on page 4 and 5 to flush your new filter.

An E1 error happens or the pure water flow is significantly slow.

<b>Check</b>	Is the filter clogged?
<b>Solution</b>	Replace the filter and refer back to steps on page 13 to reset the filter life indicator.
<b>Check</b>	Does limescale build-up in your machine?
<b>Solution</b>	Refer back to the steps on page 15 to descale your machine.

An E2 error happens.

<b>Check</b>	Is the floating tablet missing from the floating tablet rail?
<b>Solution</b>	Find the floating tablet. Put it back to the floating tablet rail and seal it with the silicone sealing cap.

## TROUBLESHOOTING

The TDS number is out of the 90% TDS reduction range.

Check	Do you discard the RO reject water remaining in the water tank?
Solution	Pour out the RO reject water left below the separator and refill the water tank with new tap water for another cycle of filtering.
Check	Has the system been unused for seven days or less?
Solution	Touch the <b>Flush</b> button to trigger the manual backflushing. And discard filtered water from the first cycle.
Check	Is the filter tightly connected to the filter base?
Solution	Refer back to the steps on page 12 and 13 to detach and re-insert the filter. Make sure the filter is fully inserted with no gap.

Booster pump makes noise or the water volume is not accurate.

Check	Do air bubbles get trapped inside the system?
Solution	Touch the <b>Flush</b> button to trigger the manual backflushing and rid the system of air bubbles.

Water leakage occurs.

Check	Do leaks happen from the bottom of water tank?
Solution	Lift up the water tank slowly and gently.
Check	Is the filter tightly connected to the filter base?
Solution	Refer back to the steps on page 12 and 13 to detach and re-insert the filter. Make sure the filter is fully inserted with no gap.

## WARRANTY

Scan me to register for  
1 YEAR WARRANTY



Please scan the QR code above or visit website <https://www.bluevua.com/warranty> for 1 year manufacturer warranty registration. Please also feel free to reach out to us if you have any questions or concerns about your RO drinking water system. Your health is our priority! We sincerely hope our product will bring health to you and your family!